

ABSTRACT

An object is to provide a tire reinforcing layer forming device which can form, by a single device, plural reinforcing layers whose cord directions intersect one another. A reinforcing material piece 12A, which is distributed to an upper conveying path 72U, is affixed from a left end side of a drum 16 toward a right side, while the drum 16 is rotated in a direction of arrow CW. In this way, the reinforcing material piece 12A, which is affixed to an outer peripheral surface of the drum 16, falls to the right, i.e., rises to the left. Thereafter, similarly, the reinforcing material pieces 12A are successively affixed without gaps, and a first reinforcing layer is formed. Next, the reinforcing material piece 12A, which is distributed to a lower conveying path 72D, is affixed from the left end side of the drum 16 toward the right side, while the drum 16 is rotated in an opposite direction. In this way, the reinforcing material piece 12A, which is affixed to an outer peripheral surface of the first reinforcing layer, rises to the right. Thereafter, similarly, the reinforcing material pieces 12A are successively affixed without gaps, and a second reinforcing layer is formed.